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Amendments to the Claims:

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A communications system for transferring signals from a wireless transmitter to a hub station, comprising:

a wireless transmitter configured to transmit a data signal as successive OFDM symbols using multiple sub-carriers;

a plurality of base stations each configured to receive the multiple sub-carrier data signal and relay the multiple sub-carrier data signal to a hub station;

a hub station configured to receive and combine the multiple sub-carrier data signals from the plurality of base stations to form successive received OFDM symbols, the hub station including an OFDM demodulator for demodulating the received OFDM symbols.

Claim 2 (original): The communications system of claim 1 wherein the hub station is configured to treat the signals received from the plurality of base stations as multipath components.

Claim 3 (cancelled).

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Claim 4 (currently amended): The communications system of claim 1 wherein the communications system is used as a mobile electronic news gathering system, including a video camera and audio transducer coupled to the wireless transmitter, the wireless transmitter being a mobile transmitter configured to receive video and audio signals from the video camera and audio transducer for inclusion in the data signal.

Claim 5 (original): The communications system of claim 1 wherein at least some of the base stations are connected to the hub station by wired communications links.

Claim 6 (cancelled).

Claim 7 (currently amended): The communications system of claim 1 including a plurality of the wireless transmitters, each configured to transmit a data signal as successive OFDM symbols using multiple sub-carriers.

Claims 8-11 (cancelled)

Claim 12 (original): A communications system for transferring

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information from a wireless transmitter to a hub station,
comprising:

a plurality of wireless transmitters, each configured to
transmit a data signal as successive OFDM symbols;

a plurality of base stations, each configured to receive OFDM
symbols from the wireless transmitters located in a corresponding
coverage area and relay the received OFDM symbols to a hub station,
at least some of said base stations having overlapping coverage
areas such that more than one base station can receive OFDM symbols
from the same mobile transmitter;

a hub station configured to receive the OFDM symbols from the
base stations and demodulate the OFDM symbols and output an
estimate of the data signals from the wireless transmitters.

Claim 13 (original): The communications system of claim 12
wherein the hub station is configured to combine signals received
from the different base stations.

Claim 14 (original): The communications system of claim 13
wherein the hub station is configured to sum the OFDM symbols
received from the base stations prior to demodulating the OFDM
symbols.

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Claim 15 (original): The communications system of claim 13 wherein at least some of the base stations are connected to the hub station by independent wired communications links having predetermined propagation delays, the hub station including buffering to substantially eliminate, prior to combining signals received on the communications links, any delay spread resulting from the predetermined propagations delays.

Claim 16 (original): The communications system of claim 13 wherein the hub station is configured to adaptively combine the signals received from each of the base stations based on measured signals characteristics

Claim 17 (original): The communications system of claim 12 wherein the wireless transmitters share a common communications channel, the wireless transmitters each being configured to receive a common reference signal to synchronize sharing of the channel.

Claim 18 (original): The communications system of claim 17 wherein the common reference signal is a GPS signal.

Claim 19 (original): The communications system of claim 12

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wherein the wireless transmitters periodically transmit predetermined psuedo-random training symbols, the hub station being configured to determine, for at least some of the base stations, if the base station has received a transmission from the wireless transmitters by checking for the presence of the training symbols in signals received from the base station.

Claim 20 (cancelled).

Claim 21 (currently amended): A method for providing data signals, said method comprising:

(a) receiving at a plurality of base stations ~~data signals~~ OFDM symbols transmitted from a mobile wireless transmitter using multiple sub-carriers, and relaying the ~~data signals using multiple sub-carriers~~ received OFDM symbols from the plurality of base stations to a hub station; and

(b) receiving and combining at the hub station the ~~data signals~~ received OFDM symbols from the plurality of base stations.

Claim 22 (cancelled).

Claim 23 (original): A receiver network for receiving from at least one wireless transmitter data signals that include successive

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OFDM symbols, comprising:

a plurality of spaced apart base stations configured to substantially simultaneously receive OFDM symbols from the at least one wireless transmitter and transmit the OFDM symbols to a hub station;

a hub station configured to receive and demodulate the OFDM symbols from the base stations.

Claim 24 (original): The receiver network of claim 23 wherein the hub station is configured to perform a discrete Fourier transform on a sum of the OFDM symbols received from the base stations.

Claim 25 (original): The receiver network of claim 23 wherein each of the base stations is connected to the hub station by a substantially independent communications link.

Claim 26 (original): The receiver network of claim 25 wherein the communications links are wired links having predetermined propagation delays, and the receiver network includes buffering to reduce any delay spread resulting from differences in the propagations delays of the independent wired links.

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Claim 27 (original): The receiver network of claim 25 wherein the hub station is configured to perform a separate discrete Fourier transform on the OFDM symbols received from at least some of the different base stations, and combine the transformed symbols based on measured signal characteristics.

Claim 28 (original): The receiver network of claim 27 wherein the hub station is configured to combine the transformed symbols based on noise characteristics of signals received from the independent wired links.

Claim 29 (currently amended): The receiver network of claim 27 wherein the ~~wireless data signals~~ OFDM symbols include training symbols, the hub station being configured to determine which base stations have received a transmission from the wireless transmitter by checking for the presence of the training symbols in signals received from the base stations.

Claim 30 (original): The receiver network of claim 29 wherein the training symbols are predetermined psuedo-random symbols.

Claim 31 (original): The receiver network of claim 29 wherein

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the training symbols comprise OFDM symbols having predetermined characteristics distinguishable from OFDM symbols used to transmit useful data, the hub station being configured to determine the presence of the training symbols by determining if the signal power of sub-carriers associated with the at least one wireless transmitter exceed a threshold value.

Claim 32 (original): The receiver network of claim 31 wherein the hub station is configured to reduce differences in propagation delays between the communications links by measuring time differences of training symbols detected on the communications links and buffering the symbols from the communications links based on the measured timing differences.

Claim 33 (new): The receiver network of claim 23 wherein each of the base stations is connected to the hub station by a substantially independent communications link and training symbols are included among the OFDM symbols, wherein the hub station is configured to reduce differences in propagation delays between the communications links by measuring time differences of training symbols detected on the communications links and buffering the symbols from the communications links based on the measured time differences.

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Claim 34 (new): The communications system of claim 12 wherein each of the base stations is connected to the hub station by a substantially independent communications link and training symbols are included among the OFDM symbols, wherein the hub station is configured to reduce differences in propagation delays between the communications links by measuring time differences of training symbols detected on the communications links and buffering the symbols from the communications links based on the measured time differences.

Claim 35 (new): The communications system of claim 12 wherein the hub station includes a plurality of parallel OFDM symbol processing circuits, each processing circuit being associated with a respective base station for receiving OFDM symbols therefrom and performing at least some demodulation steps on the received OFDM symbols, the hub station including a summer for combining the outputs of the processing circuits to produce the estimates of the data signals from the wireless transmitters.

Claim 36 (new): The communications system of claim 35 wherein the processing circuits each include a down converter for down

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converting the OFDM symbols received from the base station associated therewith, an analog to digital converter for converting the down converted OFDM symbols to digital signals, and a delay removal buffer for buffering the digital signals to accommodate for propagation differences between the different base stations and the hub station.

Claim 37 (new): The communications system of claim 36 including a common reference source for providing a common clock signal to the delay removal buffers.

Claim 38 (new): The communications system of claim 36 wherein the OFDM symbols include training symbols, the delay removal buffers being configured to buffer the digital signals based on timing of detected training symbols.

Claim 39 (new): The communications system of claim 36 wherein each of the processing circuits includes a discrete Fourier transform module for performing a discrete Fourier transform on the symbols processed thereby.